

**4E 2919**

Roll No. \_\_\_\_\_

[Total No. of Pages : 3]

**4E 2919****B.Tech. IV Semester (Main/Back) Examination 2012****Computer & I.T.****4CS5 Software Engg.****Common for CS & IT****Time : 3 Hours****Maximum Marks : 80****Min. Passing Marks : 24****Instructions to Candidates:**

Attempt any **Five questions** selecting **one question** from **each unit**. All questions carry **equal marks**. (Schematic diagrams must be shown wherever necessary. Any data you feel missing may suitably be assumed and stated clearly.) Units of quantities used/ calculated must be stated clearly.

**Unit - I**

1. a) "Quality of planning effort plays a vital role in the success or failure of the project". Justify this statement. Explain the contents of System-Level development plan. (2+4)
- b) Differentiate System Engineering and System Analysis giving the role of system engineer or system analyst. (6)
- c) Precisely define system and briefly explain the characteristics of a system. (4)

**Or**

- a) What are the major problems associated with the development of large systems? Give the suggestions to solve these problems. (4+4)
- b) What do you mean by SDLC? Explain the different phases of SDLC in detail. (8)

**Unit - II**

2. a) Name the five framework activities defined for software engineering. Briefly explain how these are involved in different process flows. (8)
- b) Explain any two models used to choose specialized software engineering approach. (8)